

GenCore version 4.5  
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OK nucleic - nucleic search, using SW model

Run on: March 8, 2002, 14:17:24 ; Search time 740.84 Seconds  
(Without alignments)  
2013.587 Million cell updates/sec

Title: PCT-US01-47576-347

Sequence: 1 atgaacacactgtatctcg.....ctcagtcacagcagaaatga 1740

Scoring table: IDENTITY-NUC  
Gapop 10.0, Gapext 1.0

Searched: 930621 seqs, 428662619 residues

Total number of hits satisfying chosen parameters: 1861242

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : N.Genesec.1101.\*  
1: /SID52/gcgdata/genesec/genesecq/NA1980.DAT.\*  
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21: /SID52/gcgdata/genesec/genesecq/NA2000.DAT.\*  
22: /SID52/gcgdata/genesec/genesecq/NA2001.DAT.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Length	DB ID	Description
1	1740	100.0	1740	21 AAC66035 Human lung cancer-
2	1736.8	99.8	4139	21 AAC36150 DNA encoding cancer-
3	1736.8	99.8	4181	21 AAC65900 Human lung cancer-
4	803.6	46.2	2224	20 AAC10617 Human lung cancer-
5	712	40.9	3412	21 AAC36152 DNA encoding cancer-
6	697.2	40.1	3283	21 AAC36154 CDNA encoding a mu
7	674.2	38.7	1946	21 AAC36151 An alternative for
8	583.2	33.5	1708	21 AAC36151 DNA encoding cancer
9	381.4	21.9	444	21 AAC17226 Human secreted pro
10	280.4	16.1	282	22 AA156378 Probe #25064 used
11	280.4	16.1	588	22 AA143398 Probe #12084 used

12	263.2	15.1	710	21 AAA02565 Human colon cancer
13	163.2	9.4	364	21 AAC03267 Human secreted pro
14	137.4	7.9	500	22 AA142184 Probe #10879 used
15	136	7.8	136	22 AA155269 Probe #23955 used
16	121.8	7.0	424	21 AAH31011 Human colon cancer
17	99.4	5.7	300	21 AAA01526 Human colon cancer
18	80.4	4.6	936	22 AAF58252 Oligonucleotide n1
19	80.4	4.6	936	22 AAF58252 Oligonucleotide n1
20	80.4	4.6	936	22 AAF58257 Oligonucleotide n1
21	80.4	4.6	936	22 AAF58259 Oligonucleotide n1
22	80.4	4.6	936	22 AAF58262 Oligonucleotide n2
23	80.4	4.6	938	22 AAF58255 Oligonucleotide n1
24	75.8	4.4	936	22 AAF58252 Oligonucleotide n1
25	75.8	4.4	936	22 AAF58254 Oligonucleotide n1
26	75.8	4.4	936	22 AAF58257 Oligonucleotide n1
27	75.8	4.4	936	22 AAF58259 Oligonucleotide n1
28	75.8	4.4	936	22 AAF58262 Oligonucleotide n2
29	75.8	4.4	938	22 AAF58255 Oligonucleotide n1
30	44.6	2.6	598	22 AAS05439 Mammalian vestibul
31	42.2	2.4	244	22 AAF58238 Oligonucleotide
32	42.2	2.4	244	22 AAF58238 Oligonucleotide
33	41.6	2.4	4590	22 AAH24065 Yeast ADP9604-arn
34	41.2	2.4	2396	21 AAC46033 Arabidopsis thaliana
35	41.2	2.4	2401	21 AAC40442 Arabidopsis thaliana
36	40.6	2.3	773	22 AAH03905 Human CDNA clone (
37	40.6	2.3	2773	22 AAH17142 Human CDNA sequence
38	39	2.2	2767	21 AAC75400 Human ORF ORF955
39	38.8	2.2	580073	18 AAT58840 Mycoplasma genitalia
40	38.4	2.2	3738	21 AAC42943 Plasmodium falcipar
41	38.2	2.2	2541	21 AAC42943 Plasmodium falcipar
42	37.8	2.2	1653	22 AAF74435 Human PRO4 nucleot
43	37.8	2.2	2917	20 AAX52248 Protein PRU257 CN
44	37.8	2.2	2917	20 AAX52248 Human CDNA sequenc
45	37.8	2.2	2917	22 AAF72406 Human PRO37 CDNA.

## ALIGNMENTS

2	RESULT 1
1	AAC66035 1 AAC66035 standard; CDNA; 1740 BP.
2	AC AAC66035; 21-FEB-2001 (first entry)
3	XX Human lung cancer-associated CDNA antigen L5235.
4	XX Lung cancer; therapy: treatment; human: tumor; immunogenetic: cytostatic;
5	XX vaccine; detection; ss.
6	XX Homo sapiens.
7	XX W0200061612-A2.
8	XX 19-OCT-2000.
9	XX 03-APR-2000; 2000HO-US08696.
10	XX 02-APR-1999; 99US-0285479.
11	XX 17-DEC-1999; 99US-0466396.
12	XX 30-DEC-1999; 99US-0476496.
13	XX 10-JAN-2000; 2000US-0480884.
14	XX 22-FEB-2000; 2000US-0510376.
15	XX (COR1-) CORIXA CORP.
16	XX Wang T, Fan L.
17	XX WPI; 2000-628399/60.
18	XX P-PSDB; AA11365.





RESULT	3
AAC65900	
ID	AAC65900 standard; cDNA; 4181 BP

AC AAC65900;

DT 21-FEB-2001 (first entry)

Human lung cancer-associated CDNA L523S

Lung cancer; therapy; treatment; human; tumor; immunogenic; cytostatic; immunomodulation; detection

KW vaccine; detection; ss

05 Homo sapiens

PN WO200061612-A2

PD 19-OCT-2000.

03-APR-2000; 2000WO-US08896

PR 02-APR-1999; 99US-0285479

PR 30-DEC-1999; 99US-0476496  
PR 10-NOV-2000; 2000US-0188884PR 22-FEB-2000; 2000US-0510376  
YYPA (CORI-) CORIXA CORP.  
XY

PI Wang T. Fan L  
XX

WP1: 2000-628399/60.  
P-PSDB: AAB17328.

Isolated poly(vpep

PT      procedure is used for detecting and monitoring progression of lung cancer in a patient -

PS Claim 1a; Page 184-186; 261pp; English

CC This invention describes a novel isolated polypeptide (I) which

CC which have cytostatic activity. The polypeptides and polynucleotides are

CC especially lung cancer, in a patient. Methods described in the invention

CC detection at subsequent time points and comparing the results from the

~~SC~~ are treated with P2, polynucleotides encoding P2 or antigen presenting

## Development of cancer

XX sequence 4181 BP; 1303 A; 830 C; 851 G; 1181 T; 16 other;

Query Match	99.8%	Score 1736.8;	DB 21;	Length 4181;
Best Local Similarity	99.9%	Pred. No. 0;		
Matches 1738; Conservative	0;	Mismatches 2;	Indels 0;	Gaps 0

[illegible]

PT Isolated polypeptide comprising an immunogenic portion of a lung tumor  
PT protein is used for detecting and monitoring progression of lung cancer  
PT in a patient -

PS Claim 1a, Page 258-259; 261pp; English.  
xy

CC This invention describes a novel isolated polypeptide (1) which  
CC comprising an immunogenic portion of a lung tumor protein or variant (P2)  
CC which have cytostatic activity. The polypeptides and polynucleotides are  
CC used in compositions and vaccines to inhibit the development of cancer,  
CC especially lung cancer. In a patient. Methods described in the invention  
CC can be used to monitor the progression of a cancer by carrying out the  
CC detection at subsequent time points. Cdk4 and/or Cdk2+T-Cells isolated from the  
CC different time points. Cdk4 and/or Cdk2+T-Cells isolated from a patient  
CC are treated with P2. polynucleotides encoding P2 or antigen presenting  
CC cells expressing P2 and then administered to the patient to inhibit  
CC development of cancer.

50 Sequence 1740 BP; 526 A; 406 C; 417 G; 391 T; 0 other;

Query Match	100.0%	Score 1740;	DB 21;	Length 1740;
Best Local Similarity	100.0%	Pred. No. 0;		
Matches 1740;	Conservative	0;	Mismatches	0;
		Indels	0;	Gaps 0

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Db	1	atgaaacaaatctgatactcgaaacatccagcgagaaagacgcccccttcgagacttgaaagt	60
OY	61	atctctcagaagacgcaagaatcccggtctgcggagaccccttcctgtgaagaagctctaaag	120
Db	61	atctctcagaagacgcaagaatcccggtctgcggagaccccttcctgtgaagaagctctaaag	120
OY	121	ctcgctgagacctgcgcgagacgagagatcgtggccctcaagagccatcgaagcgcccttcagtaaa	180
Db	121	ctcgctgagacctgcgcgagacgagagatcgtggccctcaagagccatcgaagcgcccttcagtaaa	180
OY	181	ataaagaatcgaacggagaaacccaataaagtctgagagatcgcgtccccaagaagcaagaagatc	240
Db	181	ataaagaatcgaacggagaaacccaataaagtctgagagatcgcgtccccaagaagcaagaagatc	240
OY	241	cggaaactcagaatacgaataatcccgccctaatcttaacagtggagagctgcctgaaagtta	300
Db	241	cggaaactcagaatacgaataatacccgccctaatcttaacagtgaggagctgcctgaaagtta	300
OY	301	ctaaatcccaagatagaaatcgaatcggagagcctgctgagagaagctgaacaactgaaactcgca	360
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Db	361	gtctctaaatctaaacccatctcccaatgaagacccaagctgaagacccaactgaacaaactgaat	420
OY	421	ggaattcagatgaagaaattctcaactctggaagtaagcctataatccctgaatgaacaagcgccgc	480
Db	421	ggaattcagatgaagaaattctcaactctggaagtaagcctataatccctgaatgaacaagcgccgc	480
OY	481	cagcaaaaaccccctctgagagagaccccgaaagctgcgcggggggtctggagagagggcgctccca	540
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OY	541	aggcagaggtctcccaagatccgtatcccaagcagaacaacatgtaatttgcctctgcgctg	600
Db	541	aggcagaggtctcccaagatccgtatcccaagcagaacaacatgtaatttgcctctgcgctg	600
OY	601	ctgtgctcccaacaaattctgtgagagcaatcaagaagaaaagaagtgccacacatctcgagac	660
Db	601	ctgtgctcccaacaaattctgtgagagcaatcaagaagaaaagaagtgccacacatctcgagac	660
OY	661	atccacccaaacagaccagctcttaaatcgatgtccaccgttaagaagaaatgctggggggtgct	720
Db	661	atccacccaaacagaccagctcttaaatcgatgtctccaccgttaagaagaaatgctggggggtgct	720

OY	721	gagagagtcgattactaacctccctctcaacccctctgaagagacccctctgcggtctctgaaagtcacat	780
Db	721	gagagagtcgattactaacctccctctcaacccctctgaagagacccctctgcggtctctgaaagtcacat	780
OY	781	ctgcgagattatgcctaaagagagctccagagataaaattccagaaagagatccctctgaag	840
Db	781	ctgcgagattatgcctaaagagagctccagagataaaattccagaaagagatccctctgaag	840
OY	841	atttcgacctcaataaactctgtctgcgaagctcttatcttgtaagaagaaagaaacttcag	900
Db	841	atttcgacctcaataaactctgtctgcgaagctcttatcttgtaagaagaaagaaacttcag	900
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Db	901	aaaattgcgacagaacacagaaacactaaatcacgatactccacttcgagaaatgcagctg	960
OY	961	tataatccgagaaacacactatacagatctaaagagcaactcttgagacagctgcgcgaagctgaag	1020
Db	961	tataatccgagaaacacactatacagatctaaagagcaactcttgagacagctgcgcgaagctgaag	1020
OY	1021	gagagagatcatcgaagaaatacagggagctcttatcgaanaatgatactgcctctcatgaaactc	1080
Db	1021	gagagagatcatcgaagaaatacagggagctcttatcgaanaatgatactgcctctcatgaaactc	1080
OY	1081	caagagcaattcatctccctgcggtatcaaatctcgaaagcgccctgcgtctgcctccacacactca	1140
Db	1081	caagagcaattcatctccctgcggtatcaaatctcgaaagcgccctgcgtctgcctccacacactca	1140
OY	1141	ggagatgcacactccacactccacagggccctctcaagcatalgatactccctcaacgacatct	1200
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Db	1201	gagcaatctcgaagacggagagactctcatctcgtttacccacagagctctcatcaagctgcacatc	1260
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OY	1621	gttcacactctatgcctctgcacaggtctgcgccagagaaattcagaaatcttcgatacagga	1680
Db	1621	gttcacactctatgcctctgcacaggtctgcgccagagaaattcagaaatcttcgatacagga	1680
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RESULT	2
AA236150	
ID	AA236150 standard; DNA; 4159 BP
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